

REMARKS/ARGUMENTS

Claims 1-13 are pending. By this Amendment, the Abstract and claims 1-4 and 6-13 are amended. Support for the amendments to claims 1-4 and 6-13 can be found, for example, in the present specification at page 6, lines 16 to 27, and in original claims 1-4 and 6-13. No new matter is added. In view of the foregoing amendments and following remarks, reconsideration and allowance are respectfully requested.

Objection to the Specification

The Office Action objects to the specification as including informalities. By this Amendment, the Abstract is amended to obviate the objection. Accordingly, reconsideration and withdrawal of the objection are respectfully requested.

Rejection Under 35 U.S.C. §112, Second Paragraph

The Office Action rejects claims 6 and 7 as indefinite under 35 U.S.C. §112, second paragraph. By this Amendment, claims 6 and 7 are amended to obviate the rejection. Accordingly, reconsideration and withdrawal of the rejection are respectfully requested.

Rejection Under 35 U.S.C. §102

The Office Action rejects claims 1-9 and 11 under 35 U.S.C. §102(b) over U.S. Patent No. 6,254,949 to Gluck et al. ("Gluck"). Applicants respectfully traverse the rejection.

Claim 1 recites "[a] coolant line which comprises the following layers: an outer layer comprising a polyamide molding composition; and an inner layer consisting of a polypropylene molding composition comprising at least 50% by weight of polypropylene and at least 0.02% by weight of a heat stabilizer" (emphasis added). Gluck does not disclose or suggest such a coolant line.

As indicated above, claim 1 requires that the recited coolant line have an inner layer consisting of a polypropylene molding composition comprising at least 50% by weight of polypropylene and at least 0.02% by weight of a heat stabilizer. The Office Action correctly points out that Gluck discloses a shaped article that includes a first polyamide layer (*see* Gluck, column 4, lines 65 to 67) and a second polyamide layer including a polypropylene impact modifier (*see* Gluck, column 4, lines 1 to 6). However, Applicants note that the second polyamide layer may only include polypropylene in amounts of up to 20 wt%. *See* Gluck, column 4, lines 1 to 2. There is no remote disclosure or suggestion of employing polypropylene in amounts of at least 50% by weight in either of the layers of the shaped article of Gluck.

As discussed in the present invention, the coolant line of claim 1 achieves high long-term stability. *See* present specification, page 3, lines 9 to 10. This is possible, at least in part, due to the composition of the inner layer, which is resistant to ethylene glycol/water mixtures used as cooling fluid at high temperatures up to about 135°C. *See* present specification, page 9, lines 29 to 31. Gluck does not disclose or suggest the composition of the coolant line of claim 1, or recognize the benefits stemming therefrom.

As Gluck fails to disclose or suggest a coolant line including an inner layer consisting of a polypropylene molding composition comprising at least 50% by weight of polypropylene and at least 0.02% by weight of a heat stabilizer, Gluck fails to disclose or suggest each and every feature of claim 1.

As explained, claim 1 is not anticipated by Gluck. Claims 2-9 and 11 depend from claim 1 and, thus, also are not anticipated by Gluck. Accordingly, reconsideration and withdrawal of the rejection are respectfully requested.

Rejections Under 35 U.S.C. §103

A. Gluck and Chou

The Office Action rejects claim 10 under 35 U.S.C. §103(a) over Gluck in view of U.S. Patent No. 7,199,188 to Chou et al. ("Chou"). Applicants respectfully traverse the rejection.

For the reasons discussed above, Gluck fails to disclose or suggest each and every feature of claim 1. Chou does not remedy the deficiencies of Gluck. Chou is cited for its alleged disclosure of a polymer including ethylene in an amount of from 10 to 50 wt%. *See* Office Action, pages 5 to 6. However, Chou, like Gluck fails to disclose or suggest a coolant line including an inner layer consisting of a polypropylene molding composition comprising at least 50% by weight of polypropylene and at least 0.02% by weight of a heat stabilizer. Accordingly, the combination of references fails to disclose or suggest each and every feature of claim 1.

As explained, claim 1 would not have been rendered obvious by Gluck and Chou. Claim 10 depends from claim 1 and, thus, also would not have been rendered obvious by Gluck and Chou. Accordingly, reconsideration and withdrawal of the rejection are respectfully requested.

B. Gluck and Iwata

The Office Action rejects claims 12 and 13 under 35 U.S.C. §103(a) over Gluck in view of U.S. Patent No. 7,232,597 to Iwata et al. ("Iwata"). Applicants respectfully traverse the rejection.

For the reasons discussed above, Gluck fails to disclose or suggest each and every feature of claim 1. Iwata does not remedy the deficiencies of Gluck. Iwata is cited for its alleged disclosure of a corrugated tube. *See* Office Action, pages 7 to 8. However, Iwata,

like Gluck fails to disclose or suggest a coolant line including an inner layer consisting of a polypropylene molding composition comprising at least 50% by weight of polypropylene and at least 0.02% by weight of a heat stabilizer. Accordingly, the combination of references fails to disclose or suggest each and every feature of claim 1.

As explained, claim 1 would not have been rendered obvious by Gluck and Iwata. Claims 12 and 13 depend from claim 1 and, thus, also would not have been rendered obvious by Gluck and Iwata. Accordingly, reconsideration and withdrawal of the rejection are respectfully requested.

Conclusion

For the foregoing reasons, Applicants submit that claims 1-13 are in condition for allowance. Prompt reconsideration and allowance are respectfully requested.

Respectfully submitted,

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Attachment:

Substitute Abstract